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PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM

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|------------------------|-------------------|
| Application Number | 09/721,456 |
| Filing Date | November 22, 2000 |
| First Named Inventor | Cech, Thomas R. |
| Group Art Unit | 1651 |
| Examiner Name | |
| Attorney Docket Number | 015389-002615US |

Total Number of Pages in This Submission

1

ENCLOSURES (check all that apply)

☐ Fee Transmittal Form

☐ Fee Attached

☒ Amendment / Reply

☐ After Final

☐ Affidavits/declaration(s)

☐ Extension of Time Request

☐ Express Abandonment Request

☐ Information Disclosure Statement

☐ Certified Copy of Priority Document(s)

☐ Response to Missing Parts/ Incomplete Application

☐ Response to Missing Parts under 37 CFR 1.52 or 1.53

☐ Assignment Papers (for an Application)

☐ Drawing(s)

☐ Licensing-related Papers

☐ Petition

☐ Petition to Convert to a Provisional Application

☐ Power of Attorney, Revocation Change of Correspondence Address

☐ Terminal Disclaimer

☐ Request for Refund

☐ CD, Number of CD(s)

☐ After Allowance Communication to Group

☐ Appeal Communication to Board of Appeals and Interferences

☐ Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)

☐ Proprietary Information

☐ Status Letter

☒ Other Enclosure(s) (please identify below):

Return Postcard

Substitute Specification

Marked-up Version of Specification

Remarks

The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm and Individual name

Townsend and Townsend and Crew LLP

Scott L. Ausenhus

Reg. No. 42,271

Signature

Scott Ausenhus

Date

11-25-02

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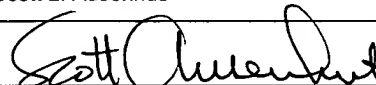
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| | |
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| Application Number | 09/721,456 |
| Filing Date | November 22, 2000 |
| First Named Inventor | Cech, Thomas R. |
| Group Art Unit | 1651 |
| Examiner Name | |
| Attorney Docket Number | 015389-002615US |
| Total Number of Pages in This Submission | 1 |

ENCLOSURES (check all that apply)

| | | |
|---|--|---|
| <input type="checkbox"/> Fee Transmittal Form | <input type="checkbox"/> Assignment Papers (for an Application) | <input type="checkbox"/> After Allowance Communication to Group |
| <input type="checkbox"/> Fee Attached | <input checked="" type="checkbox"/> Drawing(s) (Figs. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10A, 10B, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55A, 55B, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75) | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences |
| <input checked="" type="checkbox"/> Amendment / Response | <input type="checkbox"/> Licensing-related Papers | <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final | <input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition | <input type="checkbox"/> Proprietary Information |
| <input type="checkbox"/> Affidavits/declaration(s) | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Status Letter |
| <input type="checkbox"/> Extension of Time Request | <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address | <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): |
| <input type="checkbox"/> Express Abandonment Request | <input type="checkbox"/> Terminal Disclaimer | Return Postcard |
| <input type="checkbox"/> Information Disclosure Statement | <input type="checkbox"/> Request for Refund | Request for Transfer of Computer Readable Form |
| <input type="checkbox"/> Certified Copy of Priority Document(s) | <input type="checkbox"/> CD, Number of CD(s) | paper copy Sequence Listing |
| <input type="checkbox"/> Response to Missing Parts/ Incomplete Application | Remarks | The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430. |
| <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | | |

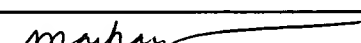
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| | | |
|--------------------------|---|-----------------|
| Firm and Individual name | Townsend and Townsend and Crew LLP Scott L. Ausenhus | Reg. No. 42,271 |
| Signature |  | |
| Date | 10-31-02 | |

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TOWNSEND and TOWNSEND and CREW LLP

By: Heather Sava

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PATENT
Attorney Docket No.: 015389-002615US
Client Ref. No.: 018/211C

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Cech et al.

Application No.: 09/721,456

Filed: November 22, 2000

For: HUMAN TELOMERASE
CATALYTIC SUBUNIT

Examiner:

Art Unit: 1651

AMENDMENT - SUBMISSION OF
SUBSTITUTE SPECIFICATION

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

*OK to enter
amendment*

This paper is supplemental to the paper filed September 23, 2002, which was fully responsive to the Office Action mailed August 5, 2002. Please enter the following amendment and remarks.

IN THE SPECIFICATION:

Please replace the original specification filed November 22, 2000, with the substitute specification that is enclosed in accordance with the provisions of 37 C.F.R. 1.125.

REMARKS

This amendment is filed in response to the Examiner's request for a substitute specification in lieu of the amendment to the specification submitted by hand delivery on November 11, 2002.